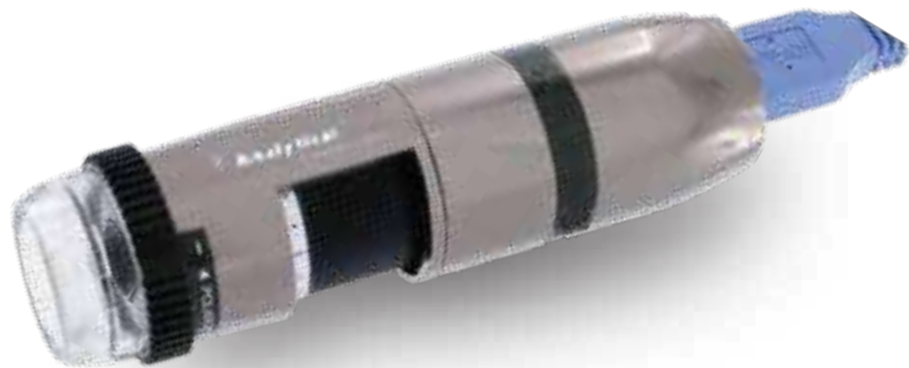


# DM-3916

Digital Microscope



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

ATL DM-3916 is a longer working distance USB 3.0 model providing uncompressed viewing to deliver exceptional sharpness, improved color accuracy and image quality with a magnification range of 10x - 140x. By using USB 3.0 the DM-3916 is capable of providing 45FPS at 1280 x 960 resolution, allowing this microscope to be used in a wider range of more demanding applications. This model includes the popular Extended Depth of Field (EDOF is available on Windows only) and Automatic Magnification Reading (AMR). EDOF allows users to automatically capture multiple images and different depths and automatically combine them into one clear image. Flexible LED Control (FLC) enables partial illumination control options to enhance edge contrast and provides intensity adjustment for better adaptability, combined with the built-on polarizer, interchangeable front caps, and rugged metal housing.

## ►► Highlights



**10x - 140x**  
Optical magnification power



**2560 x 1920 pixels**  
Capture in full detail with resolution up to 2560 x 1920 pixels



**USB 3.0**  
Simple setup



**Windows and Mac**  
Compatible with Windows 7, 8, 10 & Mac OS 10.5+ including 32-bit and 64-bit systems.



**Annotate & Measure**  
Use simple tools to draw lines, shapes, and text on the image. Calibrate and measure lines, circles, angles & more.



**Extended Depth of Field**  
Automatically capture and combine multiple images at different focus levels to produce a final image with greater depth of field.



**Enhanced Dynamic Range**  
Automatically capture and combine multiple images at different exposure levels to create an image with greater dynamic range.



**Automatic Magnification Reading**  
Allows the included software to read the magnification setting from the microscope device, simplifying the measuring process.



**Flexible LED Control**  
Additional LED controls within the included software for adjusting LED brightness and on/off toggle by quadrant.



**Two-year warranty & free tech support**  
All ATL microscopes feature a two-year warranty and include free U.S. based tech support for the life of the product.



**Polarizer**  
Built-in adjustable polarizer greatly reduces glare on reflective surfaces.



**Long working distance**  
Lens system designed to provide magnification at a longer distance compared to typical microscopes



**Language options**  
Software interface defaults to English and can be changed to any of 25 additional translations.



**Barcode reader**  
Software feature to use camera for reading from QR codes and over 20 other types of barcodes.

## ►► Specifications

LEDs	White (8)
Polarization	Yes
Dimensions	11.9cm (L) x 3.3cm (D)
Weight	110g (3.88oz)
Cable Length	182cm (71.65 in)
Magnification Range	10x - 140x
Working Distance	Long
Lens Type	Glass
Megapixels	5 MP
Sensor Type	CMOS
Resolution	2560 x 1920 pixels
Frame Rate (max)	45 FPS
Image Save Formats (Windows)	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX
Image Save Formats (Mac OS)	JPEG, PNG
Video Save Formats (Windows)	WMV, FLV, SWF
Video Save Formats (Mac OS)	MOV
Connection Type	USB 3.0
Included Software	DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
Imaging Standards	UVC
Flexible LED Control	Yes
Measurement	Yes
Automatic Magnification Reading	Yes
Extended Depth of Field	Yes (Windows PC required)
Enhanced Dynamic Range	Yes (Windows PC required)
Magnification Lock	Yes
Body Material	Aluminum Alloy
Microtouch Sensor	Yes
Package Includes	Microscope, Software CD, Edge Calibration Target, Alternate end caps, USB
Warranty Period	2 years

## ►► Charts

### Working distance & field of view mm

Magnification	10	20	30	40	50	60	70	80	90	100	110	120	130	140
Working Distance	234.5	112.5	72.5	54.5	43.5	37.5	33.7	31.3	29.9	29.2	29.1	29.3	29.8	30.5
Field of View	39.0 x 29.2	19.5 x 14.6	13.0 x 9.7	9.8 x 7.3	7.8 x 5.8	6.5 x 4.8	5.6 x 4.2	4.9 x 3.6	4.3 x 3.2	3.9 x 2.9	3.5 x 2.6	3.3 x 2.4	3.1 x 2.2	2.8 x 2.1
Depth of Field	12.0	4.5	3.1	1.8	1.2	0.9	0.6	0.5	0.37	0.28	0.22	0.17	0.12	0.09

### Working distance & field of view inch

Magnification	10	20	30	40	50	60	70	80	90	100	110	120	130	140
Working Distance	9.232	4.429	2.854	2.146	1.713	1.476	1.327	1.232	1.177	1.150	1.146	1.154	1.173	1.201
Field of View	1.535x 1.150	0.768x 0.575	0.515x 0.382	0.386x 0.287	0.307x 0.228	0.256x 0.189	0.220x 0.165	0.193x 0.142	0.169x 0.126	0.154x 0.114	0.138x 0.102	0.130x 0.094	0.122x 0.094	0.110x 0.083
Depth of Field	0.472	0.177	0.122	0.071	0.047	0.035	0.024	0.020	0.015	0.011	0.009	0.007	0.005	0.004

## ►► In the box



### Microscope & cables

All necessary cables are included.

USB models are powered by the USB connection, analog (direct to monitor) models include a power adaptor cable.



### Software & drivers CD

A CD containing all necessary software and drivers to use the device. For computers without a CD drive, the software can be downloaded from the ATL website.



### Calibration target

A target to be used for calibrating measurements.



### Alternate end caps

A selection of swappable end caps for different applications. Included caps vary per model

## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



UV/VIS  
Spectro 2080+  
Double Beam



Infra FTIR



Optima Gas  
Chromatograph  
3007



Optima Gas  
Chromatograph  
2979 Plus



Flash  
Chromatograph



Atomic Absorption  
Spectrophotometer



Liquid Particle  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXIFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



HPLC Solutions   MultipleLabs   Analytical Bio-Med   Analytical Distributors   Analytical Foundation (Trust)

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)  
[info@analyticalgroup.net](mailto:info@analyticalgroup.net)  
[info@analyticalbiomed.com](mailto:info@analyticalbiomed.com)

W. [www.analycalgroup.net](http://www.analycalgroup.net)  
[www.hplctechnologies.com](http://www.hplctechnologies.com)  
[www.multiplelabs.com](http://www.multiplelabs.com)  
[www.ais-india.com](http://www.ais-india.com)

Sales & Support Offices:  
across the country :  
Distributors & Channel  
partners World Wide

Note : Company reserves rights to add/delete/modify the contents / technical specifications of the catalogue without prior notice.